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EP 0 715 164 A3

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EUROPEAN PATENT APPLICATION

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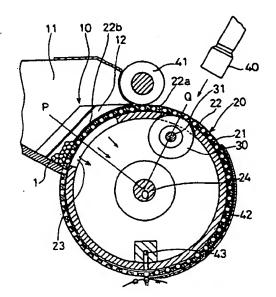
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(11)

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- (54) Side face examination apparatus for pressed articles, conveyor for pressed articles and external appearance examination apparatus for pressed articles
- (57) Pressed articles are arranged substantially vertical in guide grooves, and transferred to pockets of a conveying drum which is intermittently rotated. The pressed articles are rotated at least more than one turn by a pressed article rotating roller while the pockets are stopped at predetermined positions, and the whole side face of the pressed article is observed by an image pickup apparatus. After changing posture of the pressed articles to be substantially horizontal posture by a posture changing apparatus, front and rear surfaces of the pressed articles are observed by image pickup apparatuses while the pressed articles are held and conveyed on respective sides of equilateral polygons of conveying drums which have equilateral polygonal cross-sections.





EP 0 715 164 A;



EUROPEAN SEARCH REPORT

Application Number

Category	Citation of document with indication, where appropriate, of relevant passages Relevant to claim			CLASSIFICATION OF TH APPLICATION (Int.Cl.6)	
A	PATENT ABSTRACTS OF vol. 006, no. 059 (& JP 57 003032 A (8 January 1982, * abstract *	1,18,19	G01N21/88		
A	US 3 811 552 A (BOL 1974 * column 11, line 6 figure 13 *	1,18,19	(c)		
A	US 4 472 960 A (MOT 25 September 1984 * column 3, line 21 * column 5, line 65 * figures 2,4 *	1,18,19			
A	EP 0 172 663 A (MUT 1986 * abstract; figure	1,18,19	TECHNICAL FIELDS		
Ā	EP 0 605 317 A (FRA FABRICATION DE) 6 J * abstract; claims	1,18,19	GOIN (Int.Cl.6)		
A,P	EP 0 634 647 A (NIP 1995 * claim 1; figure 1	1,18,19			
A	EP 0 615 931 A (NIPPON ELANCO) 21 September 1994 * column 6, line 50 - column 10, line 40; figure 3 *				
A	GB 2 108 070 A (FULL LTD;SANKYO CO) 11 M * page 1, line 42 -	7,8			
	The present search report has b	-/			
	Place of search	Date of completion of the search	1	Examiner	
	THE HAGUE	Tal	cellion, M		
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EUROPEAN SEARCH REPORT

Application Number EP 95 11 8538

Citation of document with in ef relevant particular				Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL6)	
	WO 82 03842 A (ACKLE) November 1982 * abstract; figure 1	/ MICHAEL E)	11	11,12		
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Place of nearth THE HAGUE		Date of completion of the search 8 April 1997		Tak	Tabellion, M	
X : par Y : par doc	CATEGORY OF CITED DOCUMENT ticularly relevant if taken alone ticularly relevant if combined with anothoment of the same category hoological background	S T: E:	theory or princi earlier patent d after the filing document cited	ple underlying the ocument, but publi	invention ished on, or	

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Π	CLAIMS INCURRING FEES
I	
The pre	sent European patent application comprised at the time of filing more than ten claims.
	All claims fees have been paid within the prescribed time limit. The present European search report has been
	drawn up for all claims.
	Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid.
	·
	namely claims:
	No claims fees have been paid within the prescribed time limit. The present European search report has been
	drawn up for the first ten claims.
	AND AS HAUTY OF INVENTION
	ACK OF UNITY OF INVENTION on Division considers that the present European patent application does not comply with the requirement of unity of
	and relates to several inventions or groups of inventions.
namely:	
•	- see sheet B -
	time time. The gracent Furgress search report has
\boxtimes	All further search fees have been paid within the fixed time fimit. The present European search report has been drawn up for all claims.
	Only part of the further search fees have been paid within the fixed time limit. The present European search
	report has been drawn up for those parts of the European patent application which relate to the inventions in
	respect of which search fees have been paid.
	namely claims:
	None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the cisims.
	namely claims:



European Patent Office

EP 95 11 8538 - B -

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions, or groups of inventions, namely:

1. Claims 1-6,18-28

Side face and external appearance examination apparatus.

2. Claims 7-17

Conveying drums and conveyor system.

EPO Form Supplementary Sheet B (1996)